

**Abstract**

The present invention relates to a bipolar plate for fuel cells, comprising at least a shaped, at least partially electrically conductive foil (1), the bipolar plate having a channel structure (5) formed by the shaping of the foil (1), to convey reactants to electrodes of adjacent fuel cells and to carry away reaction products, and a microstructure (4) is integrated into the foil (1) to increase the rigidity of the foil (1). The invention also relates to a method for manufacturing corresponding bipolar plates.

(Fig. 1)